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Faculty

Ames Forestry Club

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Faculty



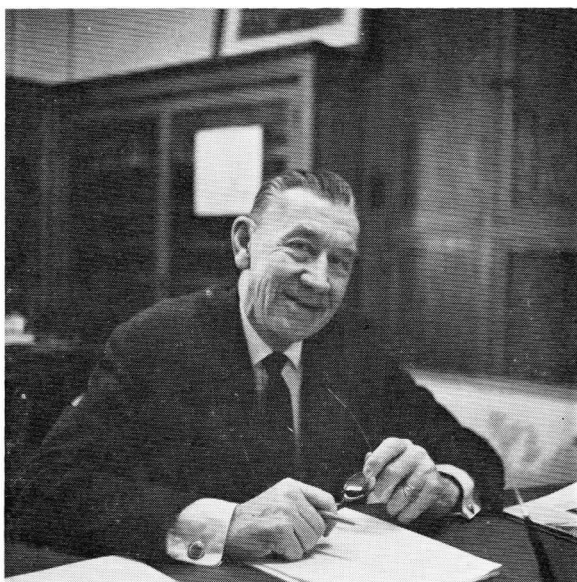
CARL H. STOLTENBERG, PH. D.
Head of Department
Advanced Economics Research

Dr. Stoltenberg arrived at I. S. U. as Head of the Forestry Department in 1960. He received his B. S. and M. F. degrees from the University of California and his Ph.D. from the University of Minnesota. Dr. Stoltenberg's services have extended beyond, as well as within, our school. He participated in two meetings of the Secretary of Agriculture's Forestry Research Advisory Board in Washington, D. C., has served or is currently serving as a member of the Forestry Research Committee, Agricultural Board, National Research Council, National Academy of Science, and Chairman of the S. A. F. Division of Forestry Education. He also served as a member of the S. A. F. Committee for Advancement of Forestry Education and was Program Chairman for the 1965 National Meeting of the S. A. F. An example of his published articles is: "The 18-22 Segment of Continuous Education." Two of his recent research projects deal with the evaluating of hardwood stumpage and the surveying of the forest recreation activities of Iowans. Dr. Carl Soltenberg has recently resigned as Head of Forestry Department to become Dean of the School of Foerstry at Oregon State University.

GEORGE W. THOMSON, PH. D.
Professor of Forestry
Photogrammetry, Advanced Mensuration, Forest Management, Farm Forestry

Dr. Thomson became an undergraduate student at Iowa State in 1939 and has taught in the forestry department since 1948. He received his B.S., M. S., and Ph. D. degrees from I. S. U. Dr. Thomson has served as Vice-Chairman and as Secretary for the Mensuration Section of the S. A. F. He also directed a study of mensuration teaching in the U. S. and Canada and made a study of range instruction at non-range forestry schools in the U. S. Articles on mensuration, photogrammetry, and forestry instruction are among his more recent publications in the Journal of Forestry. Dr. Thomson directs the management research problems of graduate students who are working on as masters degree. Although these problems may have silvicultural, mensurational, or economic implications, they are aimed at management in a general sense rather than pure research in a specific field. Dr. Thomson is serving as the temporary Head of Forestry Department pending the naming of a permanent replacement for Dr. Stoltenberg.





DE WITT NELSON

Visiting Professor of Forestry

*Forest Conservation, Forest Recreation
and Forest Policy*

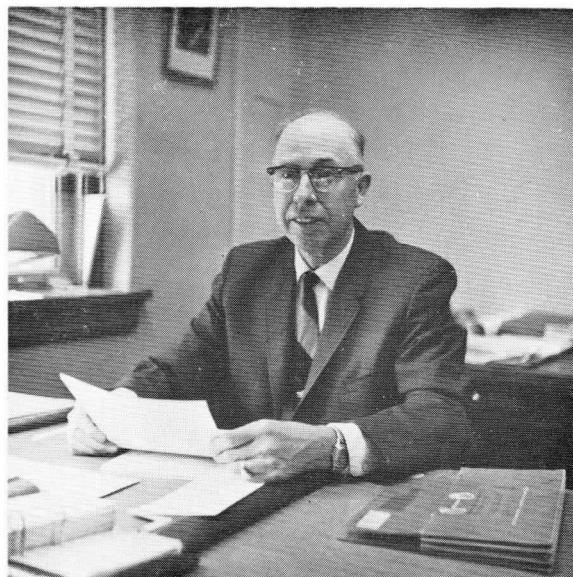
Professor Nelson is with us this year as a visiting Professor of Forestry. Professor Nelson graduated from Iowa State University in 1925 with a B.S. Degree in forestry. From 1953 to 1966 Professor Nelson was director of the California Department of Natural Resources and director of the California Department of Conservation. Here his responsibilities covered a wide range of renewable and nonrenewable resources as well as recreation. From 1944 to 1953 he was State Forester for California. During that period much major conservation legislation was enacted and implemented under his leadership. Nineteen of his 41 years of public service were spent with the U.S. Forest Service. During this time he was supervisor of four different national forests in California. He has held numerous top national professional positions and has served on several national advisory commissions. Here at Iowa State he, in addition to his teaching activities, has given numerous speeches concerning controversial issues of forestry.

DWIGHT W. BENSEND, PH.D.

Professor of Forestry

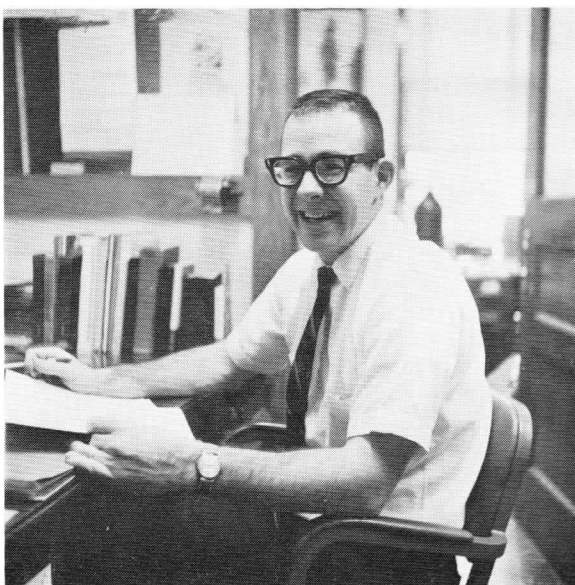
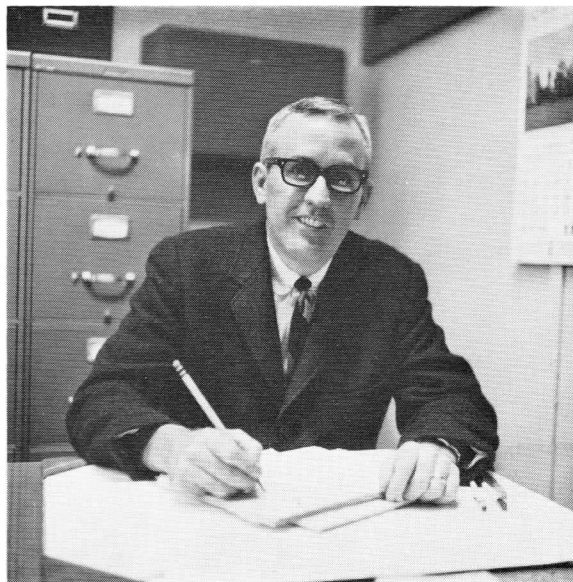
*Wood Technology, Forest Products, Special Topics
in Wood Science and Technology*

Dr. Benseid is now in his twentieth year of forestry instruction at Iowa State. He received his B.S. and Ph.D. degrees at the University of Minnesota. Dr. Benseid has been very active outside of our school and was recently cited by "Wood" magazine for his contributions to the forestry profession. He has been an active member of the F. P. R. S. since 1947. He has served as secretary, vice-chairman, chairman, and trustee of the Midwest Section and is currently serving on the national society's seven-man Committee on Education. He is also a charter member of the S. W. S. T. and was elected its secretary-treasurer in 1963. Dr. Benseid has been a member of the S. A. F. since 1937 and has served on numerous committees in the Iowa Chapter in addition to serving as vice president of the Upper Mississippi Valley Section. Dr. Benseid's major research activities have centered around wood properties, particularly the anatomy of reaction tissue in hardwoods. He is completing, and in the process of publishing, a study of blood as one of the ingredients in phenolic resin glues for hot press gluing of southern pine plywood. He assisted Floyd Manwiller in his Ph.D. thesis, "The Structure of the Cell Wall in Tension Wood in Silver Maple Using Polarizing and Electron Microscopes", for which Mr. Manwiller received the Wood Award, given annually for the best graduate forestry thesis in the U.S. and Canada. Dr. Benseid is in charge of the specifications and the bids of the forestry equipment for the new Plant Science Building. He will also be in charge of Summer Camp this year.



GORDON E. GATHERUM, PH.D.
Professor of Forestry
Silvics, Silviculture, Forest Influences

Dr. Gatherum first taught at Iowa State in 1953. He obtained his B.S. at the University of Washington, his M.S. at Utah State University, and his Ph.D. while teaching here at Iowa State. Dr. Gatherum has served as an advisor on the Hartman Award Trip and attended several meetings, including U. M. U. section and Central States Tree Improvement Conference meetings. He is also an active contributor of technical publications. One of his numerous research projects concerned the collection of data relative to the revegetation with forest tree species of coal strip mine banks. The objectives of another research project are to determine the effects of seed source, light, temperature, water, and certain nutrients on the photosynthesis, respiration, and growth of Scotch pine and aspen-poplar hybrid species, and to determine the relationships between tree survival, growth, photosynthesis, and respiration of seedlings of these species as affected by some genetic and environmental factors.



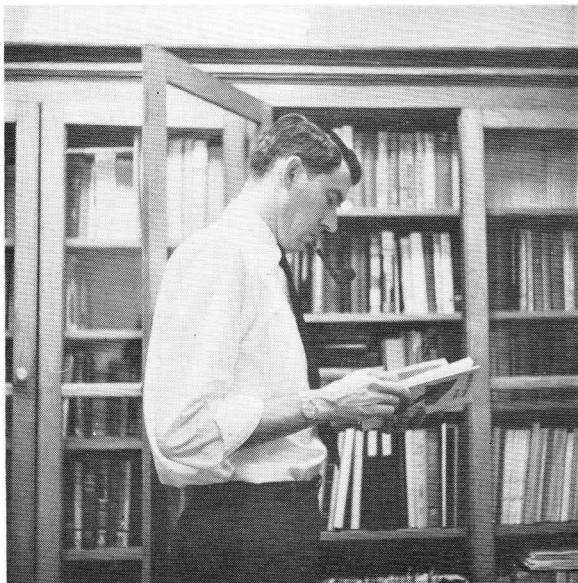
J. D. WELLONS III, PH. D.
Assistant Professor of Forestry
Wood Science, Chemistry and Rheology of Wood

Dr. Wellons is completing his second year of forestry instruction at Iowa State. His B. S., M. F., and Ph. D. degrees were obtained at Duke University. His research is primarily in the area of wood-moisture relationships. The objectives of his work are to obtain a better understanding of how wood and water interact and to devise methods of altering existing wood-moisture relationships.

FREDERICK S. HOPKINS, JR., PH.D.
Associate Professor of Forestry
Forestry Economics, Forest Recreation, Economics Research

Dr. Hopkins came to Iowa State in 1959. He obtained his B.S.F., B.B.A., and M.F. degrees at the University of Michigan and his Ph.D. at New York State University. He has served as Chairman of the Economics Committee in the Iowa Chapter of the S. A. F. Dr. Hopkins has completed a research project based upon the small woodlot owner in Iowa. The project concerned the small woodlot owner's basis for forest investment decisions, with the main emphasis being placed upon the opportunity cost of capital. Currently his research is confined to an advisory role in the preparation of graduate students' thesis research papers. He is now involved in three such projects: one has to do with the management of Black Walnut and the other two are concerned with various phases of outdoor recreation. Dr. Hopkins will be an instructor at the Forestry Camp this summer.

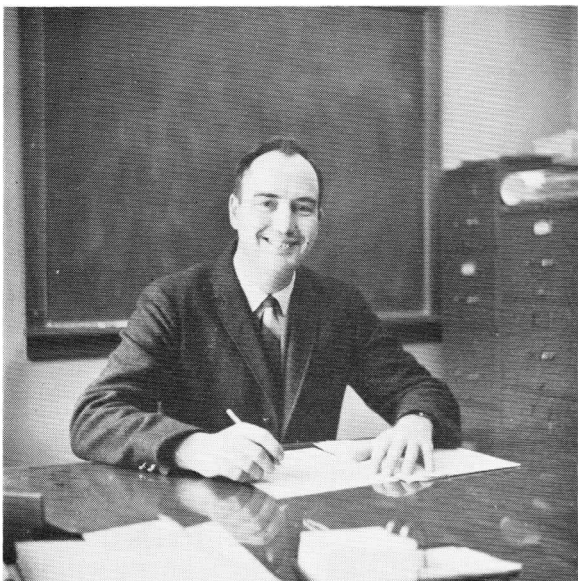




HAROLD S. McNABB, JR., PH.D.

*Professor of Plant Pathology, Professor of Forestry
Forest Pathology, Wood Deterioration.*

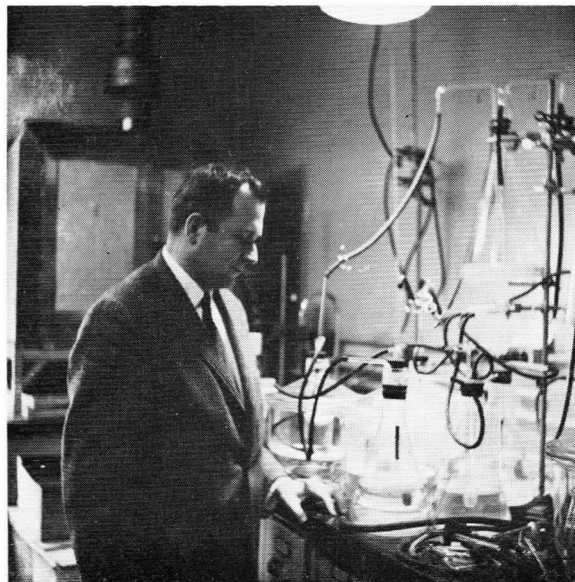
Dr. McNabb has taught at Iowa State for thirteen years. He received his B.S. at the University of Nebraska and his M.S. and Ph.D. at Yale University. Dr. McNabb has traveled throughout Europe visiting with people in the profession, represented the U.S. as an official delegate at the FAO/IOFOR Symposium at Oxford, England, and served in a similar capacity at the International Botanical Conanical Congress at Edinburg, Scotland. Closer to home he has served on the Board of Governors, International Shade Tree Conference; Botany Section Editor, Iowa Academy of Science; and Co-Chairman at the Plant Disease Profile Committee, American Phythoathological Society. Two of his recent projects included research in these general areas: relationships between soil fungi and plant roots and host resistance reactions in woody-plant wilt diseases.



KENNETH D. WARE, PH. D.

*Association Professor of Forestry
Forest Mensuration, Photogrammetry*

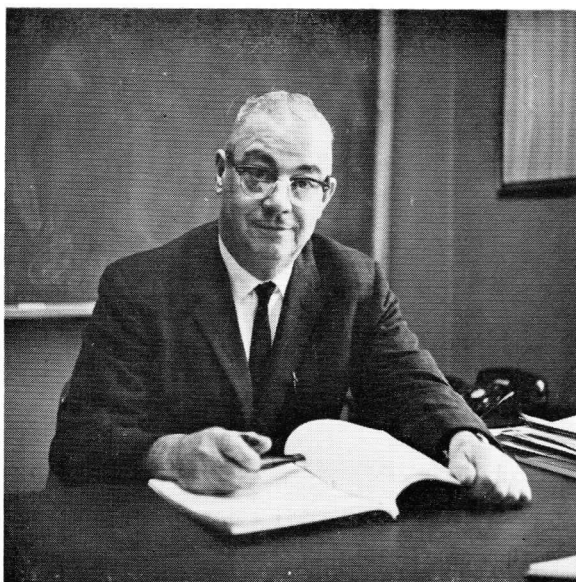
Dr. Ware is completing his fifth year of forestry instruction at I. S. U. He obtained his B. S. F. from West Virginia University and his M. F. and Ph. D. from Yale University. In connection with his main field, Forest mensuration, Dr. Ware attended the National Meeting of the S. A. F. in Denver where he presented a paper before the Division of Forestry Mensuration. Among his many publications are: "Continuous Forest Inventory with Partial Replacement of Samples," "An Efficient Sampling Design for Forest Inventory," and "Some Problems in the Quantification of Tree Quality." Dr. Ware's research deals with problems in forest measurements and forest inventory with particular reference to the management of Iowa hardwoods. The objectives of these studies are to derive and test several techniques for estimating the value of hardwood trees, to develop several sampling plans involving unequal probability sampling and test them for field application, and to test methods of growth estimation in mixed hardwood stands.



VICTOR G. SMITH, M. SC. F.

*Instructor in Forestry
Introduction to Forestry, Forest Protection, Forestry
Operation's Analysis*

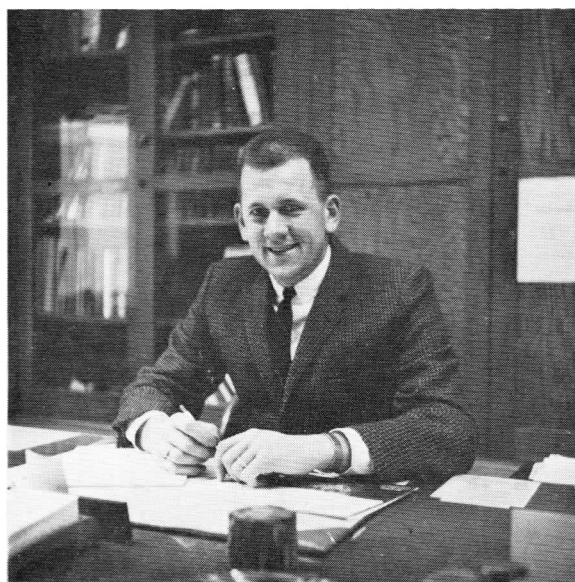
Mr. Smith is a new faculty member at Iowa State. He received his forestry education at the University of Toronto. Currently Mr. Smith is working on his Ph D. here at Iowa State. His research projects center around forest operations, cost control analysis, and statistics of forest mensuration. He belongs to several forestry organizations in Canada. Before joining our forestry staff Mr. Smith worked in the pulp and paper industry in Toronto and taught logging and wood technology at Michigan Tech. Mr. Smith is married and is the father of three girls and one boy.



RAYMOND F. FINN, PH.D.
Associate Professor of Forestry
Project Leader of U.S.F.S. Ames Research Center
 Dr. Finn came to I. S. U. in his present capacity in 1961. He received his B.S. from the University of Minnesota and his M.S. and Ph.D. degrees from Michigan State University. In connection with his job of directing the research carried out by the research center, Dr. Finn has visited many of the top forestry research and experimental stations throughout the country. Two of his articles include: "Relations of Foliar Potassium Content to Frost Mortality of Leaves" and "Interactions of N, P, K in Stimulating the Growth of Twenty Year Old Tulip Popular Plantations". One of his research projects entails the inorganic mineral nutrition of black walnut, with the primary objective being to determine the levels of the essential elements which will maximize growth as determined by stand nutrient culture studies. The project also includes field studies in which the growth of black walnut is studied under varying nutrient and soil moisture levels.

DAVID W. SMITH, B.S.
Assistant Professor of Forestry
Extension Forester

This is Mr. Smith's first year as extension forester. He obtained his B. S. from Iowa State University and is currently working on his M. F. Upon receiving his M. F. he intends to go on and study for his Ph.D. After completing his undergraduate work, Mr. Smith spent five years as an officer on a destroyer stationed in the Pacific. His M. F. thesis deals with the effects of moisture on growth of aspen-poplar hybrids.



DEAN R. PRESTEMON, PH.D.
Assistant Professor of Forestry
Forest Products Extension Forester

This is Dr. Prestemon's second year as extension forester of the products division. His B.S., M.S., and Ph.D. degrees were obtained at Iowa State University and the Universities of Minnesota and California, respectively. Approximately sixty percent of Dr. Prestemon's time is spent in wood products research. His two current research projects are concerned with the use of wood products in residential construction. The titles of these two project topics are: "Importance of Noise and Its Potential Affect on Wood Use in Garden Apartments" and "Causes and Severity of Wood-Use Problems in Residential Construction in Forestry".